

# Division of Urologic Surgery

## Message from the Chief

We have many new initiatives to be excited about at BIDMC Urology. We have successfully launched our prostate cancer focal therapy program, our state-of-the-art transperineal prostate biopsy MRI/US fusion program offers safer techniques with reduced risk of sepsis, and our new micro-ultrasound is offering novel practices for our prostate cancer program and providing new opportunities for clinical research comparing multi-parametric MRI vs. micro-ultrasound technologies. In addition, BIDMC's new single port robotic instrument has enabled our urologist to offer even more minimally invasive procedures that are at the cutting edge of surgical technology.

Development of our network satellite sites is flourishing with recruitment of high-quality faculty members, leading to outstanding care for our patients in the community and strengthening the bonds within the Beth Israel Lahey Health system.

— **ARIA F. OLUMI, MD**





We welcome our newest trainee to the BIDMC Urology family. Dr. Utsav Bansal joins us as the 2022-23 Minimally Invasive Fellow from the Baylor College of Medicine Urology Residency Program.

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Drs. Christian Schaulfer (University of Connecticut School of Medicine) and Tatum Williamson (Tufts University School of Medicine) are our newest BIDMC Urology interns.



**Christian Schaulfer**  
University of Connecticut  
School of Medicine



**Tatum Williamson**  
Tufts Medical School

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BIDMC Urology program, under the leadership of **Drs. Ruslan Korets and Marissa Kent** organized another successful bootcamp for enhancing and accelerating the education of the new intern class. Urology interns from Massachusetts (Boston Medical Center, Brigham & Women's, Massachusetts General Hospital and University of Massachusetts) and Rhode Island (Brown University) joined BIDMC interns, residents and faculty in didactics and hands-

on sessions to improve knowledge and comfort for a smooth transition to internship.



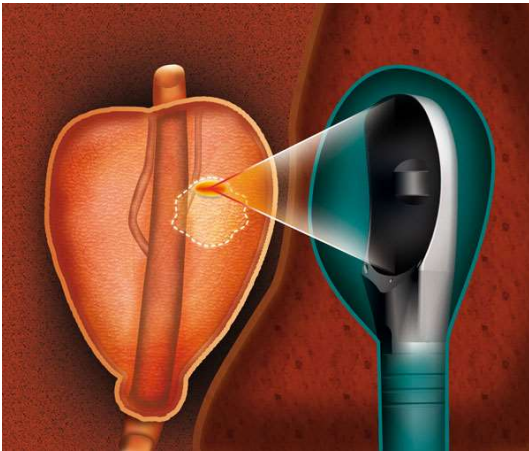
## WHAT'S NEW IN PRACTICE



Dr. Yanina (Yana) Barbalat, is the newest member of our faculty who is joining our BID-Needham office site with privileges at BIDMC. She is a graduate of Rutgers Robert Wood Johnson Medical School Urology training program with fellowship training from Columbia University in Voiding Dysfunction and Female Pelvic Medicine. She brings many

years of experience as a general urologist with sub-specialization in female pelvic medicine and reconstructive surgery.

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The focal therapy prostate cancer program has been successfully launched. Using the latest technology, the BIDMC surgeons are offering High Intensity Focal Ultrasound (HIFU) to patients with low volume Grade Group 2 or 3 (Gleason 7) prostate cancer. This group of prostate patients who are not ideal candidates for active surveillance, avoid the side effects of whole gland treatments, often associated with surgery or radiotherapy.

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Led by **Heidi Rayala, MD, PhD**, the Self-Administered Nitrous Oxide (SANO) program provides more comfort with less anxiety and decreased pain scores for patients undergoing prostate biopsies. The results of the prospective randomized trial will be presented as a podium presentation at the regional New England AUA annual meeting in fall 2022.

BIDMC Urology Research program has created an alliance with Northeastern University in Boston to partake in the education of PhD graduate students interested in pursuing careers in biotechnology and pharmaceutical industries. **Christina Sharkey, MA** is the first graduate student participating in this joint venture. BIDMC researchers are collaborating with **Dr. Tania Konry's** lab at Northeastern to investigate cell-cell interactions and the secretome changes during "androgenic to estrogenic switch" pathways in benign and malignant prostatic diseases.

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As part of the Harvard Summer Research Program in Kidney Medicine, BIDMC Urology hosted **Sanchit Sanyal**, an undergraduate student from Johns Hopkins University, who is pursuing a career in medicine.

## HONORS AND AWARDS

BIDMC was well represented at the Resident Bowl during the AUA Annual Meeting that was held in New Orleans in May 2022. The New England AUA team, led by Captain **Dr. Kenny Softness** (BIDMC Chief Resident), fought hard in a competition that became extremely close in the final round and the NE-AUA team finished as the runner-up.



**Dr. MJ Councilman**, Minimally Invasive Fellow (2021-2022), took 3rd place in the essay contest for the Endourological Society. Her project, “*Feasibility of nonlinear microscopy technique for evaluating prostatectomy margins in real time*” is a collaborative work between her mentor, **Dr. Andrew Wagner**, other BIDMC faculty, and investigators at the Massachusetts Institute of Technology.

**Dr. Ajay Singla** has been named president-elect for the Indian American Urological Association.

**Dr. Peter Steinberg**, Quality & Safety Officer for the Division of Urology and Associate Director of Quality and Safety Activities for the Department of Surgery, was selected for and completed the Safety, Quality, Informatic and Leadership (SQIL) program at Harvard Medical School. The SQIL curriculum enhanced his understanding of quality improvement projects in healthcare, especially as it pertains to training residents. Additionally, he performed a quality improvement project for management of urinary retention and was recognized as one of the ten best projects in the class.

*Philanthropic support is vital for our efforts to advance urologic research, training, and patient care — please visit [BIDMC Urology Giving](#), and consider making a gift to the Urology Cares Fund. Thank you for your support!*



## RECENT PUBLICATIONS

January 1, 2022 to June 30, 2022

1. [Relapses Rates and Patterns for Pathological T0 After Robot-Assisted Radical Cystectomy: Results From the International Robotic Cystectomy Consortium.](#) Elsayed AS, Iqbal U, Jing Z, Houenstein HA, Wijburg C, Wiklund P, Kim E, Stöckle M, Kelly J, Dasgupta P, Wagner AA, Kaouk J, Badani KK, Redorta JP, Mottrie A, Peabody JO, Rouprêt M, Balbay D, Richstone L, Rha KH, Aboumohamed A, Li Q, Hussein AA, Guru KA. *Urology.* 2022 Aug;166:177-181. doi: 10.1016/j.urology.2022.03.035. Epub 2022 Apr 21. PMID: 35461914
2. [Adjuvant chemotherapy versus observation following radical cystectomy for locally advanced urothelial carcinoma of the bladder.](#) Bharadwaj M, Kaul S, Fleishman A, Korets R, Chang P, Wagner A, Kim S, Bellmunt J, Kaplan I, Olumi AF, Gershman B. *Urol Oncol.* 2022 Jun;40(6):274.e15-274.e23. doi: 10.1016/j.urolonc.2022.02.002. Epub 2022 Mar 17. PMID: 35307291

3. [Radical cystectomy versus trimodality therapy for muscle-invasive urothelial carcinoma of the bladder.](#) Softness K, Kaul S, Fleishman A, Efstathiou J, Bellmunt J, Kim SP, Korets R, Chang P, Wagner A, Olumi AF, Gershman B. Urol Oncol. 2022 Jun;40(6):272.e1-272.e9. doi: 10.1016/j.urolonc.2021.12.015. Epub 2022 Jan 17. PMID: 35058142  
Clinical Trial.
4. [Editorial Comment.](#) Morgentaler A. J Urol. 2022 May;207(5):1028. doi: 10.1097/JU.0000000000002384.01. Epub 2022 Jan 20. PMID: 35045725  
No abstract available.
5. [Germline mutations in penetrant cancer predisposition genes are rare in men with prostate cancer selecting active surveillance.](#) Brady L, Newcomb LF, Zhu K, Zheng Y, Boyer H, Sarkar N, McKenney JK, Brooks JD, Carroll PR, Dash A, Ellis WJ, Filson CP, Gleave ME, Liss MA, Martin F, Morgan TM, Thompson IM, Wagner AA, Pritchard CC, Lin DW, Nelson PS. Cancer Med. 2022 Apr 25. doi: 10.1002/cam4.4778. Online ahead of print. PMID: 35467778
6. [The effect of day of discharge on hospital readmission after minimally invasive partial nephrectomy.](#) Stensland KD, Delto JC, Ramesh N, Robertson C, Schober JP, Chang P, Wagner AA. Can J Urol. 2022 Apr;29(2):11080-11086. PMID: 35429426
7. [Zonal Growth Pattern of the Prostate Is Affected by Age and Body Mass Index.](#) Sharkey C, Long X, Wang Z, Al-Faouri R, Gershman B, Tsai LL, Olumi AF. J Urol. 2022 Apr;207(4):876-884. doi: 10.1097/JU.0000000000002332. Epub 2021 Dec 2. PMID: 34854747
8. [Evaluating the Outcomes of Active Surveillance in Grade Group 2 Prostate Cancer: Prospective Results from the Canary PASS Cohort.](#) Waisman Malaret AJ, Chang P, Zhu K, Zheng Y, Newcomb LF, Liu M, McKenney JK, Brooks JD, Carroll P, Dash A, Filson CP, Gleave ME, Liss M, Martin FM, Morgan TM, Nelson PS, Lin DW, Wagner AA. J Urol. 2022 Apr;207(4):805-813. doi: 10.1097/JU.0000000000002354. Epub 2021 Dec 2. PMID: 34854745
9. [Real-time diagnosis and Gleason grading of prostate core needle biopsies using nonlinear microscopy.](#) Cahill LC, Rosen S, Yoshitake T, Wu Y, York L, Tsai LL, Gershman B, Fujimoto JG, Sun Y. Mod Pathol. 2022 Apr;35(4):539-548. doi: 10.1038/s41379-021-00960-1. Epub 2021 Nov 2. PMID: 34725447 Free PMC article.
10. [Impact of neoadjuvant chemotherapy on survival and recurrence patterns after robot-assisted radical cystectomy for muscle-invasive bladder cancer: Results from the International Robotic Cystectomy Consortium.](#) Gopalakrishnan D, Elsayed AS, Hussein AA, Jing Z, Li Q, Wagner AA,



- Aboumohamed A, Roupret M, Balbay D, Wijburg C, Stockle M, Dasgupta P, Khan MS, Wiklund P, Hosseini A, Peabody J, Shigemura K, Trump D, Guru KA, Chatta G. *Int J Urol*. 2022 Mar;29(3):197-205. doi: 10.1111/iju.14749. Epub 2021 Dec 19. PMID: 34923677
11. [Single black men have the worst prognosis with localized prostate cancer.](#) Liu S, Wang Z, Long X, Fleishman A, Huang X, Wu Q, Gershman B, Olumi AF. *Can J Urol*. 2022 Feb;29(1):10992-11002. PMID: 35150221
  12. [Perioperative Aspirin Use Is Associated with Bleeding Complications during Robotic Partial Nephrectomy.](#) Delto JC, Fleishman A, Chang P, Jiang DD, Hyde S, McAnally K, Crociani C, Jamil M, Patel HD, Pavlinec J, Budzyn J, Durant A, Eilender B, Gordon AO, Huang MM, Pierorazio PM, Raman JD, Rogers C, Su LM, Wagner AA. *J Urol*. 2022 Feb;207(2):277-283. doi: 10.1097/JU.0000000000002240. Epub 2021 Sep 23. PMID: 34555934
  13. [Treatment in the absence of disease reclassification among men on active surveillance for prostate cancer.](#) Kirk PS, Zhu K, Zheng Y, Newcomb LF, Schenk JM, Brooks JD, Carroll PR, Dash A, Ellis WJ, Filson CP, Gleave ME, Liss M, Martin F, McKenney JK, Morgan TM, Nelson PS, Thompson IM, Wagner AA, Lin DW, Gore JL. *Cancer*. 2022 Jan 15;128(2):269-274. doi: 10.1002/cncr.33911. Epub 2021 Sep 13. PMID: 34516660
  14. [How the rise of testosterone therapy in men was inspired by lizard research with David Crews.](#) Morgentaler A. *J Exp Zool A Ecol Integr Physiol*. 2022 Jan;337(1):103-106. doi: 10.1002/jez.2553. Epub 2021 Dec 8. PMID: 34878221
  15. [Intracorporeal Versus Extracorporeal Neobladder After Robot-assisted Radical Cystectomy: Results From the International Robotic Cystectomy Consortium.](#) Dalimov Z, Iqbal U, Jing Z, Wiklund P, Kaouk J, Kim E, Wijburg C, Wagner AA, Roupret M, Dasgupta P, Gaboardi F, Richstone L, Aboumohamed A, Hussein AA, Guru KA. *Urology*. 2022 Jan;159:127-132. doi: 10.1016/j.urology.2021.10.012. Epub 2021 Oct 25. PMID: 34710397
  16. [Prospective Multicenter Comparison of Open and Robotic Radical Prostatectomy: The PROST-QA/RP2 Consortium.](#) Chang P, Wagner AA, Regan MM, Smith JA, Saigal CS, Litwin MS, Hu JC, Cooperberg MR, Carroll PR, Klein EA, Kibel AS, Andriole GL, Han M, Partin AW, Wood DP, Crociani CM, Greenfield TK, Patil D, Hembroff LA, Davis K, Stork L, Spratt DE, Wei JT, Sanda MG; PROST-QA/RP2 Consortium. *J Urol*. 2022 Jan;207(1):127-136. doi: 10.1097/JU.0000000000002176. Epub 2021 Aug 26. PMID: 34433304

17. [Efficient Method for Percutaneous Nephrolithotomy Positioning Using Abdominal Binders](#) Softness KA, Krishna S, and Steinberg PL..  
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